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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/677,530 10/03/2003		10/03/2003	Beom-ro Lee	1293.1897	2313	
21171	7590	10/20/2004		EXAMINER		
STAAS &		Y LLP	YAN, REN LUO			
SUITE 700 1201 NEW		VENUE, N.W.	ART UNIT	PAPER NUMBER		
WASHING		•	2854			
				DATE MAILED: 10/20/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applica	ation No.	Applicant(s)					
Office Action Summary			,530	LEE ET AL.					
			ner	Art Unit					
		Ren L	Yan	2854					
Period fo	The MAILING DATE of this communic or Reply	ation appears on	the cover sheet with the c	orrespondence ad	ddress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1)🖾	Responsive to communication(s) filed	on <u>29 July 2004</u> .							
2a)□	This action is FINAL . 2b)☐ This action is	s non-final.						
3)⊠	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposit	ion of Claims		•						
5)⊠ 6)□ 7)⊠	Claim(s) 1-56 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) 1,4-37 and 39-55 is/are allowed. Claim(s) is/are rejected. Claim(s) 2,3,38 and 56 is/are objected to. Claim(s) are subject to restriction and/or election requirement.								
Applicat	ion Papers								
9) The specification is objected to by the Examiner.									
10)	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority	under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
Attachmer	· ·		_						
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PT	0.048)	4) Interview Summary Paper No(s)/Mail D						
3) Infor	ce of Draftsperson's Patent Drawing Review (PT mation Disclosure Statement(s) (PTO-1449 or P er No(s)/Mail Date		5) Notice of Informal F 6) Other:		⁻ O-152)				

DETAILED ACTION

Applicant's election with traverse of Group I, claims 1-37 and 42-55 in the reply filed on 7-29-2004 is acknowledged. Upon reconsideration, the restriction requirement set forth in the previous Office action is hereby withdrawn. All pending claims 1-56 are being examined as in the following:

This application is in condition for allowance except for the following formal matters:

Claims 2, 3, 38 and 56 are objected for the following reasons:

In claim 2, line 2, the word --supply-- should be inserted after the phrase "recording medium".

In claim 3, line 2, the word --supply-- should be inserted after the phrase "recording medium".

In claim 38, lines 4 and 7, the word --medium-- should be inserted after the word "recording", respectively.

In claim 56, line 6, the word --medium-- should be inserted after the word "recording", and line 10, the word --image-- should be inserted before the word "input" and the word --medium-- should be inserted after the word "recording".

Claims 1, 4-37 and 39-55 are allowed.

The following is an examiner's statement indicating allowable subject matter:

With respect to claims 1 and 21, no prior art has been found to teach the recited structure and process steps of periodically generating synchronized demand of the image input into an exposure unit and synchronized demand for the recording medium supply to a transfer unit,

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inputting the image into the exposure unit according to the synchronized demand of the image input, and supplying the recording medium to the transfer unit according to the synchronized demand for the recording medium supply along with the rest of the recited elements in the claimed combination.

With respect to claims 38 and 56, no prior art has been found to teach the recited structure and process steps of periodically generating a timer interrupt when a printing operation is requested, synchronizing a demand of the image input and a demand for the recording medium supply via the generated timer interrupt, inputting the image according to the synchronized demand of the image input, and supplying the recording medium according to the synchronized demand for the recording medium supply.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire TWO MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ren L Yan whose telephone number is 571-272-2173. The examiner can normally be reached on 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on 571-272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ren L Yan

Primary Examiner Art Unit 2854

Ren Yan

Oct. 15, 2004